



Fire Protection Training

Procedures Handbook 4300

PORTABLE FIRE EXTINGUISHERS

TOPIC: Portable Fire Extinguishers - Inspection, Maintenance, and Testing

TIME FRAME: :30

LEVEL OF INSTRUCTION: Level I

BEHAVIORAL OBJECTIVE:

Condition: A written quiz

Behavior: The student will list and describe proper inspection, maintenance, and testing techniques for portable fire extinguishers.

Standard: With a minimum of 80% accuracy

MATERIALS NEEDED:

- Various types of fire extinguishers
- Appropriate visual aids
- Audio visual equipment

REFERENCES:

- IFSTA, Essentials of Fire Fighting, 5th Edition, Chapter 6

PREPARATION: Portable fire extinguishers are a valuable tool in the fire service. They are used most effectively on incipient phase fires. Like other fire fighting equipment they need to be subjected to regular inspection, maintenance, and testing schedules.



Fire Protection Training

Procedures Handbook 4300

PORTABLE FIRE EXTINGUISHERS-
INSPECTION, MAINTENANCE AND TESTING

PRESENTATION	APPLICATION
<p>I. INSPECTION OF FIRE EXTINGUISHERS</p> <p>A. Assure that extinguisher is in its proper place</p> <ol style="list-style-type: none">1. Clearly identified2. Clearly visible3. Easily accessible4. Securely mounted5. Operating instructions visible <p>B. Check extinguisher components to assure proper working order</p> <ol style="list-style-type: none">1. Locking pin<ol style="list-style-type: none">a. Unbrokenb. In place2. Shell<ol style="list-style-type: none">a. Corrosionb. Dentsc. Missing parts3. Manufacturers label	<p>Show properly mounted extinguishers if available</p> <p>Show locking pin on extinguisher</p> <p>How can the shell of an extinguisher become damaged?</p>



Fire Protection Training

Procedures Handbook 4300

PORTABLE FIRE EXTINGUISHERS-
INSPECTION, MAINTENANCE AND TESTING

PRESENTATION	APPLICATION
<p style="text-align: center;">a. Intact</p> <p>II. MAINTENANCE</p> <p>A. Purpose and procedure</p> <ol style="list-style-type: none">1. Proper maintenance program<ol style="list-style-type: none">a. Helps ensure proper operation of the fire extinguisherb. Reduces the risk of harm to the operator2. Procedure includes<ol style="list-style-type: none">a. Visual inspection of all componentsb. Repairing as appropriatec. Forwarding to proper facility for repairs beyond your level of training <p>B. Maintenance intervals</p> <ol style="list-style-type: none">1. Annually2. After each use3. When there is evidence of damage or tampering4. When exposed to abnormal conditions - heat, cold or corrosive environment <p>III. TESTING</p> <p>A. Hydrostatic testing varies by type and composition</p> <ol style="list-style-type: none">1. Stored pressure - 5 years	<p>What does the inspection band indicate</p>



Fire Protection Training

Procedures Handbook 4300

PORTABLE FIRE EXTINGUISHERS-
INSPECTION, MAINTENANCE AND TESTING

PRESENTATION	APPLICATION
<ul style="list-style-type: none">2. AFFF - 5 years3. Dry chemical (stainless steel) - 5 years4. CO2 - 5 years5. Halon - 12 years6. Mild steel extinguishers containing dry chemical or powder - 12 years <p>B. Check manufacturers documentation received with the portable fire extinguisher if in doubt as to hydrostatic testing interval</p>	



Fire Protection Training

Procedures Handbook 4300

PORTABLE FIRE EXTINGUISHERS-
INSPECTION, MAINTENANCE AND TESTING

SUMMARY:

A good program of maintaining fire extinguishers coupled with proper inspection and testing are required to assure that the portable fire extinguisher will operate reliably when you need it.

EVALUATION:

A written quiz.

ASSIGNMENT:

To be determined by instructor(s).